

**CUTAWAY, MODEL LIMITORQUE VALVE AND ACTUATOR, DEVICE 2H130****TRAINING CATEGORY:**

AVIATION (Aircraft Fueling Equipment)

**ORIGINATING AGENCY:**

DCNO/AIR

**SECURITY CLASSIFICATION:**

Device 2H130 is unclassified.

**PURPOSE:**

To demonstrate the operation of a globe valve and the Limitorque Actuator. Components are cutaway to show internal movement by manually operating the handwheel. Movement of Limitorque hand wheel will result in a movement of the valve stem and valve disc.

**INTENDED USE:**

In Aviation Boatswain's Mate Fuel School for classroom training of enlisted personnel with varying degrees of proficiency in operation and maintenance of the Limitorque Actuator and Valve.

**FUNCTIONAL DESCRIPTION:**

Device 2H130 is an actual Limitorque actuator Model LT-130 unit. The actuator is mounted on an actual globe valve. The actuator and valve are cutaway to demonstrate the operation. The actuator is manually operable by the handwheel to provide the student with the entire function of the unit. An additional handwheel clutch mechanism and motor de-clutch mechanism (gear and pinion) sub-assembly of the actuator is mounted on a stand behind the valve and actuator. The assembled device and the above referenced sub-assemblies are mounted on a structural steel tubing base with rubber tired lockable casters.

**PHYSICAL INFORMATION:**

**Number of Pieces:** One (1) Stand Assembly

**Size:** 56" High x 34" Deep x 34" Long

**Weight:** 696 lbs.

## DIRECTORY OF NAVAL TRAINING DEVICES

## PUBLICATIONS FURNISHED:

Operations and Maintenance Guide, Cutaway Model, Limitorque Valve and Actuator, Device 2H130, NAVTRASYS-CEN, P-5353-11 (U).

## PERSONNEL:

**Instructor:** One (1), Chief or 1st Class PO graduate of Aviation Boatswain's Mate Fuel School with actual experience onboard an aircraft carrier.

**Operator:** Instructor-Operated.

**Trainees:** Class of up to 50

**Maintenance:** One (1) hour per 100 hour utilization. (Approximately every 2 months of use)

## CONTRACT IDENTIFICATION:

Manufactured by United Scale Models Southwest, Inc., Houston, TX under NAVTRASYS-CEN, Orlando, FL Contract No. N61339-86-C-0136.

## LOCAL STOCK NUMBER:

6910-LL-C00-6850